

Critical Issues for Wireless Propagation in Caves and Tunnels

A Panel Discussion with
Audience Participation Strongly Encouraged

Time: 16:50 – 18:00, Wednesday, 23 June 2004

Place: Ferrante III, Monterey Convention Center

Panelists:

Dr. Kendall F. Casey, SRI, *Panel Moderator*

Professor Pierre Degauque, University of Lille

Professor Weng C. Chew, University of Illinois

Professor Donald G. Dudley, University of Arizona

Practical wireless propagation in caves and tunnels presents severe analytical, experimental, and numerical challenges. This panel discussion will focus on some, or all, of the following issues:

1. Multi-modal destructive interference
2. Loss of line-of-sight
3. Smooth-wall modeling
 - a. Rays
 - b. Modes
4. Rough surface modeling
5. Experimental studies
6. Use of finite methods
7. Possible role of parallel machines